

ABSTRACT OF THE DISCLOSURE

Improved carbon black and method for producing improved carbon black by combining one or more additives with carbon black in the absence of a solvent or carrier resulting in an additive carbon black (ACB). The additive may include p-phenylenediamine (PPD) and related compounds. The invention also relates to improved polymer compositions and articles of-manufacture comprised of the improved carbon black and methods for making same. Advantages provided by the improved carbon blacks made in accordance with the invention may include reduced processing time for polymer, such as rubber, compositions and articles, as well as reduced cost and environmental impact from the production of the improved carbon blacks themselves.

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